

TOSHIBA PHOTOCOUPLER GaAs IRED & PHOTO-TRIAC

## TLP3041F(S), TLP3042F(S), TLP3043F(S)

Unit: mm

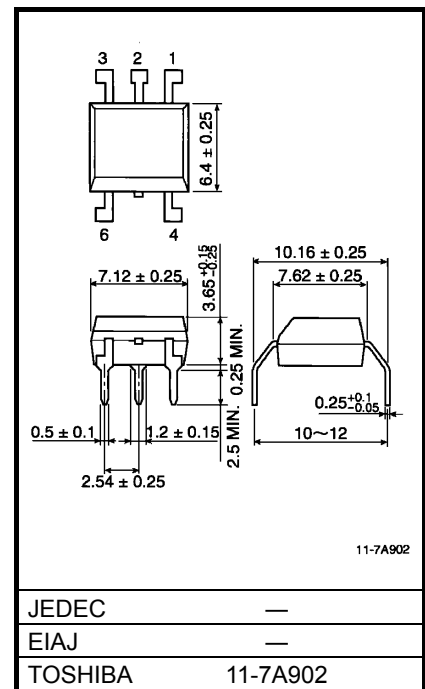
OFFICE MACHINE  
HOUSEHOLD USE EQUIPMENT  
TRIAC DRIVER  
SOLID STATE RELAY

The TOSHIBA TLP3041F(S), TLP3042F(S), TLP3043F(S) consist of a zero voltage crossing turn-on photo-triac optically coupled to a gallium arsenide infrared emitting diode in a six lead plastic DIP package. All parameters are tested to the specifications of TLP3041(S) TLP3042(S) and TLP3043(S).  
(both condition and limits)

- Peak Off-State Voltage : 400 V (min)
- Trigger LED Current : 15 mA (max) (TLP3041F(S))  
10 mA (max) (TLP3042F(S))  
5 mA (max) (TLP3043F(S))
- On-State Current : 100 mA (max)
- Isolation Voltage : 5000 Vrms (min)
- UL Recognized : UL1577, File No. E67349
- SEMKO Approved : SS EN60065  
SS EN60950, File No.9841109
- BSI Approved : BS EN60065, File No.8385  
BS EN60950, File No.8386
- Option (D4) type  
VDE approved: DIN EN60747-5-2  
Approved No. 40009302  
Maximum operating insulation voltage: 1140V<sub>PK</sub>  
Highest permissible over voltage: 8000V<sub>PK</sub>  
(Note):When an EN60747-5-2 approved type is needed,  
please designate the "Option (D4)"

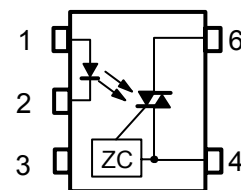
- Construction mechanical rating

	10.16 mm pitch TLPxxxxF Type
Creepage Distance	8.0 mm (Min)
Clearance	8.0 mm (Min)
Insulation Thickness	0.5 mm (Min)



weight: 0.39g

### Pin Configuration (top view)



- 1: Anode
- 2: Cathode
- 3: N.C.
- 4: Terminal 1
- 6: Terminal 2

ZC:Zero-cross Circuit

**RESTRICTIONS ON PRODUCT USE**

20070701-EN

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